ELSEVIER

Journal of Petroleum Science and Engineering 23 (1999) 247–248

JOURNAL OF PETROLEUM SCIENCE & ENGINEERING

Author index

Ameri, S., see Mohaghegh, S. 23 (1999) 161
Argillier, J.-F., see Berthezene, N. 23 (1999) 71
Audibert, A., see Berthezene, N. 23 (1999) 71
Ayub, M. and R.G. Bentsen
Interfacial viscous coupling: a myth or reality? 23 (1999) 13

Babadagli, T.
Effect of fractal permeability correlations on waterflooding performance in carbonate reservoirs 23 (1999) 223
Bai, M.
Erratum to, "*Book review: Mathematical models in the applied sciences*" [Journal of Petroleum Science and Engineering 21 (1998) 285–287] 23 (1999) 245
Balanb, B., see Mohaghegh, S. 23 (1999) 161
Bentsen, R.G., see Ayub, M. 23 (1999) 13
Berthezene, N., J.-C. de Hemptinne, A. Audibert and J.-F. Argillier
Methane solubility in synthetic oil-based drilling muds 23 (1999) 71
Bhullar, A.G., D.A. Karlsen, J.C. Lacharpagne and K. Holm
Reservoir screening using Iatroscan TLC-FID and identification of palaeo-oil zones, oil–water contacts, tar-mats and residual oil saturations in the Frøy and Rind petroleum accumulations 23 (1999) 41
Bryant, S.L., see Mennella, A. 23 (1999) 201

Chang, C.-P. and Z.-S. Lin
Stochastic analysis of production decline data for production prediction and reserves estimation 23 (1999) 149
Charlez, Ph.A.
Rock Mechanics. Petroleum Applications 23 (1999) 65
Chilingar, G.V., see Kouznetsov, O.L. 23 (1999) 147
Chilingarian, G.V., see Salem, H.S. 23 (1999) 83
Clarke, P.F., see Peramanu, S. 23 (1999) 133

De Hemptinne, J.-C., see Berthezene, N. 23 (1999) 71

England, W.
Thermal Modelling of Petroleum Generation: Theory and Applications 23 (1999) 69

Gunning, J., L. Paterson and B. Poliak
Coning in dual completed systems 23 (1999) 27

Harkness, R., see Zhang, X. 23 (1999) 95
Holm, K., see Bhullar, A.G. 23 (1999) 41

Jelmert, T.A.
Petroleum Well Construction 23 (1999) 67

Karlsen, D.A., see Bhullar, A.G. 23 (1999) 41
Katz, S.A., see Kouznetsov, O.L. 23 (1999) 147

Khadim, M.A. and M.A. Sarbar
Role of asphaltene and resin in oil field emulsions 23 (1999) 213
Kouznetsov, O.L., E.M. Simkin, G.V. Chilingar and S.A. Katz
Corrigendum to 'Improved oil recovery by application of vibro-energy to waterflooded sandstones' [Journal of Petroleum Science and Engineering 19 (1998) 191–200] 23 (1999) 147
Kutay, S.M., see Schramm, L.L. 23 (1999) 117

Lacharpagne, J.C., see Bhullar, A.G. 23 (1999) 41
Last, N., see Zhang, X. 23 (1999) 95
Lin, Z.-S., see Chang, C.-P. 23 (1999) 149
Liu, Z.-h., J. Oyang and J.-h. Zhang
Dynamic dual-laterolog responses: model and field applications in the Bohai Gulf of China 23 (1999) 1
Lockhart, T.P., see Mennella, A. 23 (1999) 201

Mani, V. and K.K. Mohanty
Effect of pore-space spatial correlations on two-phase flow in porous media 23 (1999) 173
Mannhardt, K. and I. Svorstøl
Effect of oil saturation on foam propagation in Snorre reservoir core 23 (1999) 189
Mennella, A., S.L. Bryant and T.P. Lockhart
Analysis of high-dispersion tracer tests in cores containing polymer gels 23 (1999) 201
Mikula, R.J., see Schramm, L.L. 23 (1999) 117
Mohaghegh, S., B. Balanb, V. Platon and S. Ameri
Hydraulic fracture design and optimization of gas storage wells 23 (1999) 161
Mohanty, K.K., see Mani, V. 23 (1999) 173
Munoz, V.A., see Schramm, L.L. 23 (1999) 117

Oyang, J., see Liu, Z.-h. 23 (1999) 1

Paterson, L., see Gunning, J. 23 (1999) 27
Peramanu, S., P.F. Clarke and B.B. Pruden
Flow loop apparatus to study the effect of solvent, temperature and additives on asphaltene precipitation 23 (1999) 133
Platon, V., see Mohaghegh, S. 23 (1999) 161
Poliak, B., see Gunning, J. 23 (1999) 27
Powrie, W., see Zhang, X. 23 (1999) 95
Pruden, B.B., see Peramanu, S. 23 (1999) 133

Salem, H.S. and G.V. Chilingarian
The cementation factor of Archie's equation for shaly sandstone reservoirs 23 (1999) 83
Sarbar, M.A., see Khadim, M.A. 23 (1999) 213
Schramm, L.L., S.M. Kutay, R.J. Mikula and V.A. Munoz
The morphology of non-equilibrium foam and gelled foam lamellae in porous media 23 (1999) 117
Simkin, E.M., see Kouznetsov, O.L. 23 (1999) 147
Svorstøl, I., see Mannhardt, K. 23 (1999) 189

Zhang, J.-h., see Liu, Z.-h. 23 (1999) 1
Zhang, X., N. Last, W. Powrie and R. Harkness
Numerical modelling of wellbore behaviour in fractured rock masses 23 (1999) 95

ELSEVIER

Journal of Petroleum Science and Engineering 23 (1999) 249–251

JOURNAL OF PETROLEUM SCIENCE & ENGINEERING

Subject index

Asphaltene precipitation
Precipitation onset 23(2) 133–143
Precipitation detection 23(2) 133–143
Precipitation inhibition 23(2) 133–143
Thermal effects 23(2) 133–143
Concentration effects 23(2) 133–143
Asphaltenes
NMR 23(3) 213–221
Resins 23(3) 213–221
Emulsions 23(3) 213–221
Petroleum 23(3) 213–221
Oil 23(3) 213–221
Base oils
Drilling fluids 23(2) 71–81
Gas solubility 23(2) 71–81
Measurement 23(2) 71–81
Modelling 23(2) 71–81
Cementation factor (shape factor)
Electric conductivity 23(2) 83–93
Tortuosity 23(2) 83–93
Hibernia 23(2) 83–93
Terra Nova 23(2) 83–93
Jeanne d'Arc Basin 23(2) 83–93
Concentration effects
Asphaltene precipitation 23(2) 133–143
Precipitation onset 23(2) 133–143
Precipitation detection 23(2) 133–143
Precipitation inhibition 23(2) 133–143
Thermal effects 23(2) 133–143
Coning
Dual completion 23(1) 27–39
Heterogeneity 23(1) 27–39
Thin oil column 23(1) 27–39
Correlation
Multiphase 23(3) 173–188
Heterogeneity 23(3) 173–188
Pore-scale 23(3) 173–188
Network model 23(3) 173–188
Porous media 23(3) 173–188
Coupled processes
Multiphase flow 23(1) 13–26
Flow mechanism 23(1) 13–26
Permeability coefficients 23(1) 13–26
Permeability 23(1) 13–26
Decline curve analysis
Stochastic analysis 23(3) 149–160
Probabilistic analysis 23(3) 149–160
Reserve estimation 23(3) 149–160
Drilling
Wellbore 23(3) 95–115
Fractures 23(3) 95–115
Earth stress 23(3) 95–115
Hydraulic pressure 23(3) 95–115
Drilling fluids
Gas solubility 23(2) 71–81
Measurement 23(2) 71–81
Base oils 23(2) 71–81
Modelling 23(2) 71–81
Dual completion
Coning 23(1) 27–39
Heterogeneity 23(1) 27–39
Thin oil column 23(1) 27–39
Earth stress
Wellbore 23(2) 95–115
Drilling 23(2) 95–115
Fractures 23(2) 95–115
Hydraulic pressure 23(2) 95–115
Electric conductivity
Cementation factor (shape factor) 23(2) 81–93
Tortuosity 23(2) 81–93
Hibernia 23(2) 81–93
Terra Nova 23(2) 81–93
Jeanne d'Arc Basin 23(2) 81–93
Emulsions
NMR 23(3) 213–221
Asphaltenes 23(3) 213–221
Resins 23(3) 213–221
Petroleum 23(3) 213–221
Oil 23(3) 213–221
Enhanced oil recovery
Gas injection 23(3) 189–200
Laboratory studies 23(3) 189–200
Porous materials 23(3) 189–200
Flow mechanism
Multiphase flow 23(1) 13–26
Coupled processes 23(1) 13–26
Permeability coefficients 23(1) 13–26
Permeability 23(1) 13–26
Foam
Polymer 23(2) 117–132
Gel 23(2) 117–132
Lamellae 23(2) 117–132
Oil recovery 23(2) 117–132
Rock 23(2) 117–132
Fractal
Porosity and permeability distribution 23(3) 223–238
Waterflooding 23(3) 223–238
Performance estimation 23(3) 223–238
Heterogeneous reservoirs 23(3) 223–238
Fractures
Wellbore 23(2) 95–115
Drilling 23(2) 95–115
Earth stress 23(2) 95–115
Hydraulic pressure 23(2) 95–115
Frøy Field and Rind Discovery
Reservoir geochemistry 23(1) 41–63
Iatroscan TLC-FID 23(1) 41–63
Oil–water contact 23(1) 41–63
Residual oil saturation 23(1) 41–63
Tar-mats 23(1) 41–63
North Sea 23(1) 41–63
Gas injection
Enhanced oil recovery 23(3) 189–200
Laboratory studies 23(3) 189–200
Porous materials 23(3) 189–200
Gas solubility
Drilling fluids 23(2) 71–81
Measurement 23(2) 71–81
Base oils 23(2) 71–81
Modelling 23(2) 71–81
Gas storage
Hydraulic fracturing 23(3) 161–171
Neural networks 23(3) 161–171
Gel
Foam 23(2) 117–132
Polymer 23(2) 117–132
Lamellae 23(2) 117–132
Oil recovery 23(2) 117–132
Rock 23(2) 117–132
Heterogeneity
Coning 23(1) 27–39
Dual completion 23(1) 27–39

Thin oil column 23(1) 27–39
Multiphase 23(3) 173–188
Correlation 23(3) 173–188
Pore-scale 23(3) 173–188
Network model 23(3) 173–188
Porous media 23(3) 173–188

Heterogeneous reservoirs
Fractal 23(3) 223–238
Porosity and permeability distribution 23(3) 223–238
Waterflooding 23(3) 223–238
Performance estimation 23(3) 223–238

Hibernia
Electric conductivity 23(2) 83–93
Cementation factor (shape factor) 23(2) 83–93
Tortuosity 23(2) 83–93
Terra Nova 23(2) 83–93
Jeanne d'Arc Basin 23(2) 83–93

High-dispersion laboratory tests
Tracers in porous media 23(3) 201–212
Water shutoff polymer gel treatments 23(3) 201–212

Hydraulic fracturing
Gas storage 23(3) 161–171
Neural networks 23(3) 161–171

Hydraulic pressure
Wellbore 23(2) 95–115
Drilling 23(2) 95–115
Fractures 23(2) 95–115
Earth stress 23(2) 95–115

Iatroscan TLC-FID
Reservoir geochemistry 23(1) 41–63
Oil–water contact 23(1) 41–63
Residual oil saturation 23(1) 41–63
Tar-mats 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63
North Sea 23(1) 41–63

Invasion
Time 23(1) 1–11
Log 23(1) 1–11
Resistivity 23(1) 1–11

Jeanne d'Arc Basin
Electric conductivity 23(2) 83–93
Cementation factor (shape factor) 23(2) 83–93
Tortuosity 23(2) 83–93
Hibernia 23(2) 83–93
Terra Nova 23(2) 83–93

Laboratory studies
Enhanced oil recovery 23(3) 189–200
Gas injection 23(3) 189–200
Porous materials 23(3) 189–200

Lamellae
Foam 23(2) 117–132
Polymer 23(2) 117–132
Gel 23(2) 117–132
Oil recovery 23(2) 117–132
Rock 23(2) 117–132

Log
Invasion 23(1) 1–11
Time 23(1) 1–11
Resistivity 23(1) 1–11

Measurement
Drilling fluids 23(2) 71–81
Gas solubility 23(2) 71–81
Base oils 23(2) 71–81
Modelling 23(2) 71–81

Modelling
Drilling fluids 23(2) 71–81
Gas solubility 23(2) 71–81
Measurement 23(2) 71–81
Base oils 23(2) 71–81

Multiphase
Correlation 23(3) 173–188
Heterogeneity 23(3) 173–188
Pore-scale 23(3) 173–188
Network model 23(3) 173–188
Porous media23(3) 173–188

Multiphase flow
Coupled processes 23(1) 13–26
Flow mechanism 23(1) 13–26
Permeability coefficients 23(1) 13–26
Permeability 23(1) 13–26

Network model
Multiphase 23(3) 173–188
Correlation 23(3) 173–188
Heterogeneity 23(3) 173–188
Pore-scale 23(3) 173–188
Porous media 23(3) 173–188

Neural networks
Hydraulic fracturing 23(3) 161–171
Gas storage 23(3) 161–171

NMR
Asphaltenes 23(3) 213–221
Resins 23(3) 213–221
Emulsions 23(3) 213–221
Petroleum 23(3) 213–221
26Oil 23(213–221

North Sea
Reservoir geochemistry 23(1) 41–63
Iatroscan TLC-FID 23(1) 41–63
Oil–water contact 23(1) 41–63
Residual oil saturation 23(1) 41–63
Tar-mats 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63

Oil
NMR 23(3) 213–221
Asphaltenes 23(3) 213–221
Resins 23(3) 213–221
Emulsions 23(3) 213–221
Petroleum 23(3) 213–221

Oil recovery
Foam 23(2) 117–132
Polymer 23(2) 117–132
Gel 23(2) 117–132
Lamellae 23(2) 117–132
Rock 23(2) 117–132

Oil–water contact
Reservoir geochemistry 23(1) 41–63
Iatroscan TLC-FID 23(1) 41–63
Residual oil saturation 23(1) 41–63
Tar-mats 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63
North Sea 23(1) 41–63

Performance estimation
Fractal 23(3) 223–238
Porosity and permeability distribution 23(3) 223–238
Waterflooding 23(3) 223–238
Heterogeneous reservoirs 23(3) 223–238

Permeability
Multiphase flow 23(1) 13–26
Coupled processes 23(1) 13–26
Flow mechanism 23(1) 13–26
Permeability coefficients 23(1) 13–26

Permeability coefficients
Multiphase flow 23(1) 13–26
Coupled processes 23(1) 13–26
Flow mechanism 23(1) 13–26
Permeability 23(1) 13–26

Petroleum
NMR 23(3) 213–221
Asphaltenes 23(3) 213–221
Resins 23(3) 213–221
Emulsions 23(3) 213–221
Oil 23(3) 213–221

Polymer
Foam 23(2) 117–132
Gel 23(2) 117–132
Lamellae 23(2) 117–132
Oil recovery 23(2) 117–132
Rock 23(2) 117–132

Pore-scale
Multiphase 23(3) 173–188
Correlation 23(3) 173–188
Heterogeneity 23(3) 173–188
Network model 23(3) 173–188
Porous media 23(3) 173–188

Porosity and permeability distribution
Fractal 23(3) 223–238
Waterflooding 23(3) 223–238
Performance estimation 23(3) 223–238
Heterogeneous reservoirs 23(3) 223–238
Porous materials
Enhanced oil recovery 23(3) 189–200
Gas injection 23(3) 189–200
Laboratory studies 23(3) 189–200
Porous media
Multiphase 23(3) 173–188
Correlation 23(3) 173–188
Heterogeneity 23(3) 173–188
Pore-scale 23(3) 173–188
Network model 23(3) 173–188
Precipitation detection
Asphaltene precipitation 23(2) 133–143
Precipitation onset 23(2) 133–143
Precipitation inhibition 23(2) 133–143
Thermal effects 23(2) 133–143
Concentration effects 23(2) 133–143
Precipitation inhibition
Asphaltene precipitation 23(2) 133–143
Precipitation onset 23(2) 133–143
Precipitation detection 23(2) 133–143
Thermal effects 23(2) 133–143
Concentration effects 23(2) 133–143
Precipitation onset
Asphaltene precipitation 23(2) 133–143
Precipitation detection 23(2) 133–143
Precipitation inhibition 23(2) 133–143
Thermal effects 23(2) 133–143
Concentration effects 23(2) 133–143
Probabilistic analysis
Stochastic analysis 23(3) 149–160
Reserve estimation 23(3) 149–160
Decline curve analysis 23(3) 149 160
Reserve estimation
Stochastic analysis 23(3) 149–160
Probabilistic analysis 23(3) 149–160
Decline curve analysis 23(3) 149–160
Reservoir geochemistry
Iatroscan TLC-FID 23(1) 41–63
Oil–water contact 23(1) 41–63
Residual oil saturation 23(1) 41–63
Tar-mats 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63
North Sea 23(1) 41–63
Residual oil saturation
Reservoir geochemistry 23(1) 41–63
Iatroscan TLC-FID 23(1) 41–63
Oil–water contact 23(1) 41–63
Tar-mats 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63
North Sea 23(1) 41–63
Resins
NMR 23(3) 213–221
Asphaltenes 23(3) 213–221
Emulsions 23(3) 213–221
Petroleum 23(3) 213–221
Oil 23(3) 213–221
Resistivity
Invasion 23(1) 1–11
Time 23(1) 1–11
Log 23(1) 1–11
Rock
Foam 23(2) 117–132
Polymer 23(2) 117–132
Gel 23(2) 117–132
Lamellae 23(2) 117–132
Oil recovery 23(2) 117–132
Stochastic analysis
Probabilistic analysis 23(3) 149–160
Reserve estimation 23(3) 149–160
Decline curve analysis 23(3) 149–160
Tar-mats
Reservoir geochemistry 23(1) 41–63
Iatroscan TLC-FID 23(1) 41–63
Oil–water contact 23(1) 41–63
Residual oil saturation 23(1) 41–63
Frøy Field and Rind Discovery 23(1) 41–63
North Sea 23(1) 41–63
Terra Nova
Electric conductivity 23(2) 83–93
Cementation factor (shape factor) 23(2) 83–93
Tortuosity 23(2) 83–93
Hibernia 23(2) 83–93
Jeanne d'Arc Basin 23(2) 83–93
Thermal effects
Asphaltene precipitation 23(2) 133–143
Precipitation onset 23(2) 133–143
Precipitation detection 23(2) 133–143
Precipitation inhibition 23(2) 133–143
Concentration effects 23(2) 133–143
Thin oil column
Coning 23(1) 27–39
Dual completion 23(1) 27–39
Heterogeneity 23(1) 27–39
Time
Invasion 23(1) 1–11
Log 23(1) 1–11
Resistivity 23(1) 1–11
Tortuosity
Electric conductivity 23(2) 83–93
Cementation factor (shape factor) 23(2) 83–93
Hibernia 23(2) 83–93
Terra Nova 23(2) 83–93
Jeanne d'Arc Basin 23(2) 83–93
Tracers in porous media
Water shutoff polymer gel treatments 23(3) 201–212
High-dispersion laboratory tests 23(3) 201–212
Waterflooding
Fractal 23(3) 223–238
Porosity and permeability distribution 23(3) 223–238
Performance estimation 23(3) 223–238
Heterogeneous reservoirs 23(3) 223–238
Water shutoff polymer gel treatments
Tracers in porous media 23(3) 201–212
High-dispersion laboratory tests23(3) 201–212
Wellbore
Drilling 23(2) 95–115
Fractures 23(2) 95–115
Earth stress 23(2) 95–115
Hydraulic pressure 23(2) 95–115